

Title (en)  
MAN-MACHINE INTERFACE FOR A VIRTUAL LOCKOUT/TAGOUT PANEL DISPLAY

Title (de)  
MENSCH-MASCHINE SCHNITTSTELLE ZUR VIRTUELLEN ANZEIGE EINER SPERR-UND-WARN-VORRICHTUNG AUF EINEM BILDSCHIRM

Title (fr)  
INTERFACE HOMME-MACHINE POUR L’AFFICHAGE VIRTUEL D’UN DISPOSITIF DE VERROUILLAGE ET D’AVERTISSEMENT SUR UN ECRAN

Publication  
**EP 1046203 B1 20140618 (EN)**

Application  
**EP 99951450 A 19990915**

Priority  
• US 9921086 W 19990915  
• US 15487598 A 19980917

Abstract (en)  
[origin: WO0016457A1] A three dimensional power management control system (10) provides control and graphical representation of a plurality of electrical devices and components (11) of an electrical distribution system (12). The PMCS (10) includes a graphical representation of tagout/lockout displays (32, 34)(i.e., Danger and Ground Tags) representative of a physical lockout/tagout tag attached locally to a device (11) of the electrical distribution system (12). The graphical displays (32, 34) include a large bit map representative of a Danger tag (32) and a Ground Tag (34) installed on a device (11), and representative symbols displayed at other graphical and tabular data displays associated with the tagged device (11). The implementation of the virtual lockout/tagout displays (32, 34) is automated using software, namely a Tagging Wizard. The Tagging Wizard provides automated configuration of the lockout/tagout graphic (32, 34) and the ability to install and remove virtual tagout displays associated with the graphical representation of the device (11) of the distribution system (12). The Tagging Wizard logically links a one-line wizard associated with each graphical and/or tabular representation of a common device to a common discrete memory tag for storing the tagged condition of a device (11). A "Tag Menu" window (44) includes an install and remove button (46-49) for each lockout/tagout tag (32, 34) that when selected stores data in the memory tag.

IPC 8 full level  
**G05B 23/02** (2006.01); **G06F 3/048** (2013.01); **G06F 3/0484** (2013.01); **H01H 9/20** (2006.01); **H02B 15/00** (2006.01)

CPC (source: EP KR US)  
**H01H 9/20** (2013.01 - EP US); **H02B 15/00** (2013.01 - KR)

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**WO 0016457 A1 20000323**; AU 6388799 A 20000403; CA 2309987 A1 20000323; CN 1288600 A 20010321; EP 1046203 A1 20001025; EP 1046203 B1 20140618; ES 2484841 T3 20140812; HU 229321 B1 20131128; HU P0004374 A2 20010428; HU P0004374 A3 20030828; JP 2002525731 A 20020813; JP 4555479 B2 20100929; KR 100681571 B1 20070209; KR 20010032132 A 20010416; PL 340582 A1 20010212; TR 200001392 T1 20010420; US 6366301 B1 20020402

DOCDB simple family (application)  
**US 9921086 W 19990915**; AU 6388799 A 19990915; CA 2309987 A 19990915; CN 99802214 A 19990915; EP 99951450 A 19990915; ES 99951450 T 19990915; HU P0004374 A 19990915; JP 2000570883 A 19990915; KR 20007005319 A 20000516; PL 34058299 A 19990915; TR 200001392 T 19990915; US 37660199 A 19990818